# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	11/01/2016 11/01/2016	Tariq Chechi

LM Start		Rating **	Α	Issue No.		19			
LM End		Issue Type +	Ma	Location *	ation * WS				
Category	Earthen L	evee	GPS La	atitud	le/Longitude				
Category						End			
Item		0		0					
Equipment							0		
DWR ID DWR_MA0001_01_s _ 2016_19									
Comment Code									
Inspector Comment									
The LMA has emergency supplies and equipment.									

No Photos

LM Start		Rating **	Α	Issue No.		28		
LM End		Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	de/Longitude		
Calegory			Start		End			
Item	s & Maintena		0		0			
item				0		0		
DWR ID	DWR_MA0	001_01_s _ 201	13_28					
		Comn	nent Coc	le				
		Inspecto	or Comm	ent				
The LMA h	nas O&M n	nanuals.						

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	11/01/2016 11/01/2016	Tariq Chechi

Category    Start	WS e/Longitude End						
Category Start  Flood Preparedness & Training   o	End						
Start  Flood Preparedness & Training  o							
Item							
item _							
0							
DWR ID DWR_MA0001_01_s _ 2013_29							
Comment Code							
Inspector Comment							
The LMA completed flood fight training in 2016.							

No Photos

LM Start	0.01	Rating **	N	Issue No.		92	
LM End	0.01	Issue Type +	Ма	Location *	LS		
Category	Earthen L	evee		GPS La	titud	le/Longitude	
Calegory	Category					End	
Item	Trim / Thi	n Trees		39.2140	00°	39.214000°	
item				-122.0010	77°	-122.001077°	
DWR ID DWR_MA0001_01_f _ 2016_92							
Comment Code							

T5: Tree stumps.

Inspector Comment

No Photos

LM Start	0.09	Rating **	M	Issue No.		94	
LM End	0.09	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee	GPS Latitude/Longitude				
Category	Category					End	
Item	Slope Sta	bility		39.21421	7°	39.214217	0
пеш				-122.00237	8°	-122.002378	0
DWR ID	DWR_MA0	001_01_f _ 201	6_94				
		Comn	nent Cod	de			

S2: Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment

Repair the erosion along the damaged slope.

# Photo 1 of 1: FA\_2016\_MA0001\_297\_94\_20161104\_00152.jpg



View of the slope instability along the landside slope.

\* Location + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence LS: Land Side N/A: Not Applicable N : Not Inspected/Rated A : Acceptable M : Minimally Acceptable WS: Water Side C : Corrected A/W : Acceptable but Monitor & Maintain U : Unacceptable En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	11/01/2016 11/01/2016	Tariq Chechi

LM Start	0.10	Rating **	М	Issue No.		95	
LM End	0.10	Issue Type +	Ma	Location *		LS	
Category	Earthen L	GPS La	GPS Latitude/Longitude				
Calegory				Start		End	
Item	Vegetatio	39.2142	275°	39.214275°			
пеш	em				558°	-122.002558°	
DWR ID DWR_MA0001_01_f _ 2016_95							
Comment Code							
V2 : Remo	ove the wild	d growth other	than na	tive grasse	s fro	m the levee	
Inspector Comment							
Remove the arundo to maintain visibility along the landside toe.							



View of the arundo along the landside toe.

LM End         0.23         Issue Type +         Ma         Location *         WS           Category         Earthen Levee         GPS Latitude/Longitude/Start         End           Item         Erosion / Bank Caving         39.215180 °         39.215           DWR ID         DWR_MA0001_01_f _ 2016_96									
Category         Start         End           Item         Erosion / Bank Caving         39.215180 ° 39.215           -122.004712 ° -122.004         -122.004712 ° -122.004									
Start   End	е								
DWR ID DWR_MA0001_01_f _ 2016_96									
DWR ID DWR_MA0001_01_f _ 2016_96	5180°								
	1712°								
Comment Code	DWR ID DWR_MA0001_01_f _ 2016_96								
Comment Code									
E2 : Schedule repair of erosion site prior to the next inspection.									
Inspector Comment									

# Photo 1 of 1 : FA\_2016\_MA0001\_297\_96\_20161104\_00154.jpg



View of the erosion along the waterside slope.

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	11/01/2016 11/01/2016	Tariq Chechi

LM Start	0.25	Rating **	N	Issue No.		97		
LM End	0.25	Issue Type +	Ма	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Trim / Thin Trees				43°	39.215343°		
пеш		-122.005100 °		-122.005100°				
DWR ID DWR_MA0001_01_f _ 2016_97								
Comment Code								
T5 : Tree stumps.								
		Inspecto	or Comm	nent				

No Photos

LM Start	0.38	Rating **	М	Issue No.		98		
LM End	0.38	Issue Type +	Ma	Location *		WS		
Earthen Levee				GPS Latitude/Longitude				
Category				Start		End		
Item	Slope Sta	bility	39.2158	78°	39.215878°			
пеш				-122.0072	78°	-122.007278°		
DWR ID	DWR_MA0	001_01_f _ 201	6_98					
Comment Code								
S2 : Repair the levee slope damaged by foot traffic and prevent access								

where possible.

### Inspector Comment





View of the slope instability along the waterside slope.

LM Start	0.49	Rating **	М	Issue No.		100
LM End	0.49	Issue Type +	Ma	Location *		LS
Earthen Levee			GPS Latitude/Longitude			
Calegory	Category					End
Item	Trim / Thi	n Trees		39.215800°		39.215800°
itom				-122.0094	02°	-122.009402 °
DWR ID DWR_MA0001_01_f _ 2016_100						
Comment Code						
T1: Trim t	rees to at	least five feet	above g	round level.		

Inspector Comment



View of an overgrown bush obstructing visibility.

\* Location + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence LS : Land Side N : Not Inspected/Rated N/A: Not Applicable A : Acceptable M : Minimally Acceptable WS: Water Side C : Corrected A/W : Acceptable but Monitor & Maintain U : Unacceptable En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	11/01/2016 11/01/2016	Tariq Chechi

LM Start	0.53	Rating **	N	Issue No.		101
LM End	0.53	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Trim / Thi	n Trees		39.2158	808°	39.215808°
пеш				-122.0099	95°	-122.009995°
DWR ID	DWR_MA0	001_01_f _ 201	6_101			
		Comn	nent Cod	de		
T5 : Tree :	stumps.					
		Inspecto	or Comm	nent		

LM Start	0.67	Rating **	М	Issue No.		102
LM End	0.69	Issue Type +	Ma	Location *		WS
Catagony	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory	Category					End
Item	Trim / Thin Trees				13°	39.216642°
пеш				-122.012440 °		-122.012773°
DWR ID	DWR_MA0	001_01_f _ 201	6_102			·
		Comn	nent Coc	de		
T1: Trim t	rees to at	east five feet	above g	round level		
	Inspector Comment					





View of a tree obstructing visibility and access.

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	11/01/2016 11/01/2016	Tariq Chechi

		D (' **					
LM Start	0.68	Rating **	N	Issue No.		103	
LM End	0.68	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Trim / Thi	n Trees		39.2165	60°	39.216560°	
пеш				-122.012530°		0° -122.012530°	
DWR ID	DWR_MA0	001_01_f _ 201	6_103				
		Comn	nent Cod	de			
T5 : Tree s	stumps.						
		Inspecto	or Comm	nent			



View of a tree stump along the waterside slope.

LM Start	1.11	Rating **	М	Issue No.		104
LM End	1.11	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atituc	le/Longitude
Calegory				Start		End
Item	Slope Sta	bility		39.2207	28°	39.220728°
item				-122.0158	85°	-122.015885 °
DWR ID	DWR_MA0	001_01_f _ 201	6_104			
		Comn	nent Cod	de		
S1 : Repa	ir slope ins	tability.				
		Inspecto	or Comm	nent		



View of a slope instability issue along the landside slope.

LM Start	2.16	Rating **	М	Issue No.		105	
LM End	2.16	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Erosion / I	Bank Caving		39.2351	07°	39.235107°	
item				-122.0135	67°	-122.013567°	
DWR ID	DWR_MA0	001_01_f _ 201	6_105				
		Comn	nent Cod	de			
E2 : Scheo	dule repair	of erosion site	e prior to	the next in	spe	ction.	
	Inspector Comment						



View of an erosion site along the waterside berm.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	11/01/2016 11/01/2016	Tariq Chechi

LM Start	2.16	Rating **	М	Issue No.		105 (cont)
LM End	2.16	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Erosion / I	Bank Caving		39.2351	07°	39.235107°
item				-122.013567°		-122.013567°
DWR ID	DWR_MA0	001_01_f _ 201	6_105			
		Comn	nent Cod	le		
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.
		lasasst	0			
		Inspecto	or Comm	nent		



Another close up view of the erosion site.

LM Start	2.36	Rating **	М	Issue No.		108	
LM End	2.36	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS L	atitud	e/Longitude	
Category				Start		End	
Item	Slope Sta	bility		39.2376	28°	39.237628°	
пеш				-122.011967°		° -122.011967°	
DWR ID	DWR ID DWR_MA0001_01_f _ 2016_108						
		Comn	nent Cod	de			
S1 : Repa	ir slope ins	tability.					
			_				
		Inspecto	or Comm	nent			



View of the slope instability along the landside slope.

LM Start	3.09	Rating **	С	Issue No.		81	
LM End	3.09	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Trim / Thi	n Trees		39.2473	32°	39.247332	٥
item				-122.008164 °		-122.008164	
DWR ID	DWR_MA0	001_01_s _ 201	16_81				
		Comn	nent Cod	de			
T3 : Trim a flood fight.		es to allow vi	sibility of	the ground	lanc	I room to	
		Inspect	or Comm	nent			
downed tre	ee covering	g LS slope.					

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	11/01/2016 11/01/2016	Tariq Chechi

LM Start	3.88	Rating **	М	Issue No.		50		
LM End	3.88	Issue Type +	Ма	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Vegetatio	n		39.2571	25 °	39.257125°		
item				-122.0126	48°	-122.012648°		
DWR ID	DWR_MA0	001_01_f _ 201	3_50					
		Comn	nent Cod	de				
V4 : Elderl	perries are	blocking visit	ility and	flood fight	capa	bility.		
		Inspecto	or Comm	nent				

No Photos

LM Start	4.86	Rating **	М	Issue No.		3		
LM End	5.26	Issue Type +	Ma	Location *		WS		
Category	Suppleme	plemental			GPS Latitude/Longitude			
Calegory				Start		End		
Item		CE Erosion S	Survey,	39.2657	30°	39.266315	0	
item	DRAFT			-122.0149	25 °	-122.020682	0	
DWR ID	DWR_MA0	001_01_s _ 201	16_3					
	Comment Code							

### Inspector Comment

2009 - Slump in the middle of the section has left a vertical section on the bank. 2010 - Old cobble site unraveling, site extended downstream. 2015: Last observed in 2013. [2015 Site ID: SAC\_151-0\_R]

# Photo 1 of 1 : FA\_2016\_MA0001\_297\_3\_20160823\_00002.jpg



USACE 2013 Photo #1

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	11/01/2016 11/01/2016	Tariq Chechi

LM Start	5.77	Rating **	М	Issue No.		35			
LM End	5.77	Issue Type +	Ma	Location *		LS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Calegory				Start		End			
Item	Vegetatio	n		39.2727	73°	39.272773°			
пеш				-122.0232	90°	-122.023290°			
DWR ID	DWR ID DWR_MA0001_01_s _ 2012_35								
		Comn	nent Coc	le					
V4 : Elderl	perries are	blocking visib	ility and	flood fight	сара	bility.			
		1	0	1					
		Inspecto	or Comm	ient					

No Photos

LM Start	6.85	Rating **	N	Issue No.		116		
LM End	6.85	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Trim / Thin Trees 39.288092 ° 39.288092							
пеш	-122.021062 ° -122.021062							
DWR ID	DWR ID DWR_MA0001_01_f _ 2016_116							
		Comn	nent Cod	de				
T5 : Tree s	stumps.							
		Inspecto	or Comm	nent				

No Photos

LM Start	7.28	Rating **	M	Issue No.		117			
LM End	7.28	Issue Type +	Ma	Location *		LS			
Category	Earthen L	evee		GPS L	atitud	e/Longitude			
Category				Start		End			
Item	Trim / Thi	n Trees		39.2942	273°	39.294273	0		
item				-122.021493 °		-122.021493	0		
DWR ID	DWR_MA0	001_01_f _ 201	6_117						
		Comn	nent Cod	de					
T1 : Trim t	rees to at	least five feet	above g	round level					
		Inspect	or Comm	nent					

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	11/01/2016 11/01/2016	Tariq Chechi

LM Start	7.70	Rating **	М	Issue No.		52	
LM End	7.70	Issue Type +	Ма	Location *		WS	
Cotogony	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Vegetatio	n		39.2973	03°	39.297303°	
пеш				-122.0252	57°	-122.025257°	
DWR ID	DWR_MA0	001_01_s _ 201	12_52				
		Comn	nent Coo	de			
V4 : Elderk	perries are	blocking visib	ility and	flood fight	сара	ability.	
			_				
		Inspecto	or Comm	nent			

No Photos

LM Start	8.72	Rating **	М	Issue No.		119	
LM End	8.72	Issue Type +	Location *		LS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory	egory					End	
Item	Slope Sta	39.308272°		39.308272°			
пеш				-122.0312	15°	-122.031215 °	
DWR ID	DWR_MA0	001_01_f _ 201	6_119				
Comment Code							
S3 : Repair the levee slope damaged by vehicle traffic and prevent							

access where possible.

Inspector Comment



View of the slope instability caused by vehicles along the landside slope.

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	11/01/2016 11/01/2016	Tariq Chechi

LM Start	10.13	Rating **	М	Issue No.		18
LM End	10.13	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Erosion /	Bank Caving		39.3286	97°	39.328697°
item				-122.029262 °		-122.029262 °
DWR ID	DWR_MA0	001_01_s _ 201	2_18			
		Comn	nent Cod	de		
E1 : Note a	and monito	or erosion site				
		lasasst				
		Inspecto	or Comm	ient		
Monitor the erosion site.						



View of the erosion along the waterside of the levee.

LM Start	11.00	Rating **	М	Issue No.		120
LM End	11.00	Issue Type +	Ма	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Trim / Thi	n Trees		39.3407	28°	39.340728°
пеш				-122.032897 °		-122.032897°
DWR ID	DWR_MA0	001_01_f _ 201	6_120			
		Comn	nent Cod	de		
T1: Trim t	rees to at I	east five feet	above g	round level		
Inspector Comment						



View of the tree with overhanging branches.

							_
LM Start	11.01	Rating **	М	Issue No.		12	
LM End	11.01	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Vegetatio	n		39.3407	74°	39.340774	0
Item				-122.032872 °		-122.032872	0
DWR ID	DWR_MA0	001_01_s _ 201	12_12				
		Comn	nent Cod	de			
V4 : Elderl	perries are	blocking visit	ility and	flood fight	сара	bility.	
		Inspect	or Comm	nent			

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	11/01/2016 11/01/2016	Tariq Chechi

LM Start	11.46	Rating **	М	Issue No.		121
LM End	11.46	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Slope Sta	bility		39.3471	68 °	39.347168°
item				-122.031533°		-122.031533°
DWR ID	DWR_MA0	001_01_f _ 201	6_121			
		Comn	nent Cod	de		
S1 : Repai	ir slope ins	tability.				
		Inspecto	or Comm	nent		
Backfill and compact.						



View of the low spot along the levee toe created by adjacent ditch overflow.

LM Start	11.53	Rating **	С	Issue No.		83
LM End	11.53	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Category				Start		End
Item	Animal Co	ontrol		39.3481	51 °	39.348151 °
item				-122.0312	60°	-122.031260°
DWR ID	DWR_MA0	001_01_s _ 201	16_83			
		Comn	nent Cod	de		
A3 : No roo compact o		le, but rodent rows.	burrows	visible; ne	ed to	backfill and
		Inspecto	or Comm	nent		

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	11/01/2016 11/01/2016	Tariq Chechi

	1				ı	
LM Start	12.24	Rating **	М	Issue No.		122
LM End	12.36	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS L	atitud	e/Longitude
Category				Start		End
Item	Vegetatio	n		39.3573	322°	39.358283 °
пеш				-122.0265	-122.024717°	
DWR ID	DWR_MA0	001_01_f _ 201	6_122			
		Comn	nent Cod	de		
V1 : Contro		rass and wee	eds on th	e levee slo	pes a	and
		Inspecto	or Comm	nent		



View of the Johnson grass along the levee toe and concrete lined ditch.

-							
LM Start	12.27	Rating **	С	Issue No.		78	
LM End	12.27	Issue Type +	Ма	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Animal Control			39.3574	97°	39.357497°	
пеш				-122.026093 °		-122.026093°	
DWR ID	DWR_MA0	001_01_f _ 201	5_78				
		Comn	nent Coc	de			
A1 : Exterr	minate rod	ents and back	fill and c	compact or	grou	it burrows.	
	Inspector Comment						

No Photos

LM Start	12.49	Rating **	С	Issue No.		79
LM End	12.49	Issue Type +	Ma	Location *		WS
Category Earthen Levee			GPS La	atitud	le/Longitude	
				Start		End
Animal Control			39.359500°		39.359500°	
item			-122.0229	80°	-122.022980 °	
DWR ID	DWR_MA0	001_01_f _ 201	5_79			
		Comn	nent Cod	de		
A3 : No ro compact o		le, but rodent rows.	burrows	visible; ne	ed to	backfill and

No Photos

* Location	** Rating
Inspecto	or Comment

A : Acceptable M : Minimally Acceptable

U : Unacceptable

+ Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence A/W : Acceptable but Monitor & Maintain En: Enforcement

N/A: Not Applicable

LS: Land Side WS: Water Side

N : Not Inspected/Rated

C : Corrected

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	11/01/2016 11/01/2016	Tariq Chechi

LM Start	12.69	Rating **	М	Issue No.		123
LM End	12.79	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Vegetatio	n		39.3598	810°	39.359748°
iteiii				-122.0194	-122.017600°	
DWR ID DWR_MA0001_01_f _ 2016_123						
		Comn	nent Cod	de		
V1 : Contre		grass and wee	eds on th	e levee slo	pes a	and
		Inspecto	or Comm	nent		



View of the Johnson grass along the levee toe.

LM Start	13.33	Rating **	М	Issue No.		124	
LM End	13.33	Issue Type +	Ma	Location *	LS		
Earthen Levee			GPS Latitude/Longitude				
Calegory	Category			Start		End	
Item	Slope Sta	bility		39.3657	48°	39.365748°	
пеш				-122.0156	33°	-122.015633°	
DWR ID	DWR_MA0	001_01_f _ 201	6_124			·	
Comment Code							
S3 : Repair the levee slope damaged by vehicle traffic and prevent							

S3: Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

# Photo 1 of 1 : FA\_2016\_MA0001\_297\_124\_20161107\_00179.jpg



View of the slope instability caused by vehicles along the landside slope.

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	11/01/2016 11/01/2016	Tariq Chechi

					1	
LM Start	13.46	Rating **	М	Issue No.		125
LM End	13.46	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Erosion /	Bank Caving		39.3676	00°	39.367600°
пеш				-122.0152	-122.015248°	
DWR ID DWR_MA0001_01_f _ 2016_125						
		Comn	nent Cod	de		
E1 : Note a	and monito	or erosion site				
		Inspecto	or Comm	nent		



View of the landside toe erosion caused by ag pipe.

LM Start	14.18	Rating **	М	Issue No.		127	
LM End	14.18	Issue Type +	Ma	Location *		LS	
Category	Earthen L	arthen Levee			GPS Latitude/Longitude		
Category	Category			Start		End	
Item	Slope Sta	bility		39.377288°		39.377288°	
пеш				-122.0123	60°	-122.012360°	
DWR ID	DWR_MA0	001_01_f _ 201	6_127				
Comment Code							
S1 : Repai	r slope ins	tability.					

Inspector Comment

Minor sinkhole on the landside toe.



View of a small sinkhole along the levee.

LM Start	14.80	Rating **	М	Issue No.		129	
LM End	14.80	Issue Type +	Ма	Location *	LS		
Category	Earthen L	evee		GPS Latitude/Longitude			
Category	Category			Start		End	
Item	Slope Sta	bility		39.38600	08°	39.386008°	
пеш				-122.01427	70°	-122.014270 °	
DWR ID DWR_MA0001_01_f _ 2016_129							
Comment Code							

S3: Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment



View of the slope instability caused by vehicles along the landside slope.

\* Location
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

\*\* Rating
A: Acceptable N: Not Inspected/Rated M: Minimally Acceptable C: Corrected Ob: Design & System Obsolescence C: Enforcement

\* Rating
A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	11/01/2016 11/01/2016	Tariq Chechi

LM Start	15.86	Rating **	N	Issue No.		131		
LM End	15.86	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Trim / Thi	n Trees		39.4008	75°	39.400875 °		
item				-122.0096	80°	-122.009680 °		
DWR ID	DWR_MA0	001_01_f _ 201	6_131					
		Comn	nent Cod	de				
T5 : Tree s	stumps.							
		Inspecto	or Comm	nent				
About 7 stumps on the landside.								

No Photos

LM Start	15.99	Rating **	М	Issue No.	132		
LM End	15.99	Issue Type +	Ма	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Animal Control			39.4026	)5°	39.402605 °	
item				-122.0093	48 °	-122.009348 °	
DWR ID DWR_MA0001_01_f _ 2016_132							
Comment Code							

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



View of the rodent holes along the landside slope.

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sutter Maintenance Yard Maintenance Area 0001**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	11/01/2016 11/01/2016	Tariq Chechi

LM Start	16.35	Rating **	М	Issue No.	9	
LM End	16.58	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
Calegory				Start		End
Item	2015 USACE Erosion Survey, DRAFT			39.407837°		39.411111°
пеш				-122.008763 °		-122.009238°
DWR ID DWR_MA0001_01_s _ 2016_9						
Comment Code						

#### Inspector Comment

Erosion site added in 1997 and removed in 2005. 2009 - Site added back in, hard toe with slow moving erosion. Potential geotechnical failure. 2011 - Site extended downstream. 2015: Last observed in 2013. [2015 Site ID: SAC\_164-3\_R]

LM Start	16.35	Rating **	М	Issue No.	9 (cont)
LM End	16.58	Issue Type +	Ma	Location *	WS



USACE 2013 Photo #1

Photo 2 of 2: FA\_2016\_MA0001\_297\_9\_20160823\_00007.jpg



USACE 2013 Photo #2